

**BUREAU OF MATERIALS & RESEARCH ORGANIZATION CHART**

Material & Research consists of 5 sections, under the Bureau Administrator:

- Administration Section
- Geotechnical Section
- Materials Technology Section
- Pavement Management Section
- Research Section

Refer to *Bureau Contacts* under the Bureau of Materials and Research website for names of individual contacts.

<http://www.nh.gov/dot/org/projectdevelopment/materials/index.htm>

**Administration Section** is supervised by the Bureau Administrator and staffed by an Administrative Secretary and Program Specialist. This section coordinates personnel, bureau safety programs and administrative functions of the Bureau.

**Geotechnical Section** is supervised and managed by a Civil Engineer 6 and consists of 3 work units. The section maintains on-call agreements for geotechnical engineering services and subsurface exploration services to supplement in-house capabilities.

- ***Geotechnical Engineering Unit:*** Supervised by a Civil Engineer 5 and staffed with Civil Engineer 4's. This unit plans subsurface exploration programs, analyses subsurface data, performs engineering analyses, provides geotechnical recommendations, and prepares reports.
- ***Engineering Geology Unit:*** Supervised by an Engineering Geologist and staffed with Earth Scientist 2's. This unit implements exploration programs, prepares exploration logs, provides rock cut designs, oversees vibration monitoring and blasting operations, and manages the rock cut database.
- ***Field Explorations Unit:*** Supervised by a Drilling Superintendent and staffed by a Drilling Supervisor and Geological Exploration Technician (1 through 3 level). This unit operates exploration equipment and performs subsurface explorations including test borings, test pits, and asphalt coring.

**Materials Technology Section** is supervised and managed by a Civil Engineer 6 and consists of 3 work units. Each unit maintains a CCRL accredited lab. The section maintains on-call agreements for material testing, precast plant and asphalt plant inspection to supplement in-house capabilities.

- ***Soils/Portland Cement Concrete Unit:*** Supervised by an Engineering Technician 5 and staffed with Engineering Technicians (3 and 4 level). This unit performs independent assurance testing of soil, concrete and related materials, performing various laboratory and field tests. Performs concrete plant certifications and precast placement inspections. Maintains the Laboratory Information Management System (LIMS).
- ***Bituminous Concrete Unit:*** Supervised by an Engineering Technician 5 and staffed with Engineering Technicians (3 and 4 level). This unit performs asphalt mix design acceptance, certifies asphalt plants and materials acceptance testing during production. The unit also provides its own independent assurance testing.
- ***Chemical Testing Unit:*** Supervised by a Supervising Lab Scientist and staffed with a Laboratory Scientist and an Engineering Technician 3. This unit performs acceptance testing of asphalt binders, traffic paint, and other products.

**Pavement Management Section** is supervised and managed by a Civil Engineer 6 and consists of 2 work units.

- ***Pavement Design and Contracts Unit:*** Supervised by a Civil Engineer 4 and staffed with Civil Engineers 3. This unit determines pavement section treatments and recommendations, including both base courses and asphalt pavement structures, and provides reports. This unit administers Turnpike and District resurfacing contracts.
- ***Asset and Pavement Management Unit:*** Supervised by a Civil Engineer 4 and staffed with a Civil Engineer 3 and a Data Collection subunit led by an Engineering Technician 5 and staffed with Engineering Technician 3's. This unit maintains the Pavement Management System (PMS) for all state maintained roadways. This unit operates the ride quality van collecting road condition data and performs quality assurance testing of ride smoothness traffic paint retro-reflectivity on new construction.

**Research Section** is supervised and managed by a Civil Engineer 6 and is staffed with a Civil Engineer 4 and Engineering Technicians (4 and 5 level). The section coordinates various research efforts for the Department including administration of the Federal-Aid research program. It evaluates new products and performance of in-place materials. It maintains the Qualified Products List (QPL). It provides bridge deck condition assessments to assist in determining appropriate rehabilitation options for existing structures.